

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: OLD CASTLE CURE AND SEAL
PRODUCT CODE: OC-CNS-01

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1. COMPANY IDENTIFICATION

OLD CASTLE

16310 E. MARIETTA

SPOKANE, WASHINGTON 99216

24 HOUR EMERGENCY PHONE: INITIAL (FIRST CALL) CHEMTREC: 800-424-9300

INFORMATION PHONE: 509-926-8235

2. COMPOSITION/INFORMATION ON INGREDIENTS

COMPONENT/EXPOSURE LIMITS	CAS#	% BY WT.
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ACRYLIC POLYMER	MIXTURE	49
FOR AQUA AMMONIA, CAS#1336-21-6, 0.1% MAXIMUM, MANUFACTURER'S TWA-25PPM AS AMMONIA, STEL-35PPM AS AMMONIA. OSHA STEL-35PPM AS AMMONIA. ACGIH TWA-25PPM AS AMMONIA, STEL-35PPM AS AMMONIA.		
2,2,4-TRIMETHYL-1,3-PENTANEDIOL MONOISOBUTYRATE	25265-77-4	9
NO OCCUPATIONAL EXPOSURE LIMITS HAVE BEEN ESTABLISHED FOR THIS CHEMICAL. FOR THIS CHEMICAL GOOD GENERAL VENTILATION (TYPICALLY 10 AIR CHANGES/HOUR) SHOULD BE USED, BUT SHOULD BE MATCHED TO CONDITIONS.		

*** No toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372 are present. ***

THIS MSDS MAY BE USED FOR OTHER COLORS AND CONTAINER SIZES OF THIS PRODUCT.

3. HAZARDS IDENTIFICATION

POTENTIAL HEALTH EFFECTS

EYE AND SKIN: MAY CAUSE IRRITATION TO EYES AND SKIN.

INGESTION: NO EVIDENCE OF ADVERSE EFFECTS FROM AVAILABLE INFORMATION.

INHALATION: VAPOR OR SPRAY MIST CAN CAUSE HEADACHE, NAUSEA, IRRITATION OF THE NOSE, THROAT & RESPIRATORY TRACT.

4. FIRST AID MEASURES

EYES: IMMEDIATELY FLUSH WITH LOTS OF WATER FOR AT LEAST 15 MINUTES. IF REDN ITCHING, OR A BURNING SENSATION DEVELOPS SEE A PHYSICIAN. SKIN: REMOVE CONTAMINATED CLOTHING/SHOES & WIPE OFF EXCESS FROM SKIN. WASH WITH PLENTY OF SOAP AND WATER. IF REDNESS, ITCHING OR A BURNING SENSATION DEVELOPS, GET MEDICAL ATTENTION. INHALATION: REMOVE PATIENT TO FRESH AIR. IF NOT BREATHING GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN, ADMINISTERED BY A QUALIFIED INDIVIDUAL ONLY. CALL A PHYSICIAN IMMEDIATELY. INGESTION: DO NOT INDUCE VOMITING. CALL A PHYSICIAN IMMEDIATELY.

NOTE TO PHYSICIANS: NONE FOR THIS MATERIAL.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES:

FLASH POINT:

>205F/>96C SETA FLASH CLOSED CUP.

FLAMMABLE LIMITS:

LOWER FLAMMABLE LIMIT: 0.62

UPPER FLAMMABLE LIMIT: 4.24

AUTOIGNITION TEMPERATURE: UNKNOWN

EXTINGUISHING MEDIA: FOAM, CO2, DRY CHEMICAL, WATER FOG OR SPRAY, AS

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FIREFIGHTING INSTRUCTIONS: DO NOT ENTER ANY ENCLOSED OR CONFINED FIRE SPACE WITHOUT FULL PROTECTIVE EQUIPMENT, INCLUDING SELF-CONTAINED BREATHING APPARATUS (PRESSURE-DEMAND MSHA/NIOSH APPROVED OR EQUIVALENT) TO PROTECT AGAINST THE HAZARDOUS EFFECTS OF COMBUSTION PRODUCTS AND OXYGEN DEFICIENCY.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: WEAR SKIN, EYE & RESPIRATORY PROTECTION DURING CLEAN-UP. EVACUATE AREA OF ALL NON-ESSENTIAL PERSONNEL. SHUT OFF OR REMOVE ALL IGNITION SOURCES. VENTILATE SPILL AREA. DIKE, AND CONTAIN AND/OR ABSORB WITH INERT MATERIAL (SAND, EARTH OR OTHER SUITABLE NON-COMBUSTIBLE MATERIAL) TO PREVENT ENTRY INTO STORMDRAINS, SEWERS AND OTHER UNAUTHORIZED TREATMENT/DRAINAGE SYSTEMS AND NATURAL WATERWAYS. SCOOP UP AND PLACE IN APPROVED CONTAINERS FOR PROPER DISPOSAL. COVER WITH LID. IF SPILL OCCURS NEAR AIR INLETS OR INSIDE, TURN OFF HEATING OR AIR-CONDITIONING EQUIPMENT TO PREVENT CONTAMINATING BUILDING.

LARGE SPILL: USE SAME PROCEDURE AS SMALL SPILL.

7. HANDLING AND STORAGE

HANDLING: CLOSED CONTAINERS MAY EXPLODE DUE TO PRESSURE BUILD-UP IF EXPOSED TO EXTREME HEAT. DO NOT GET IN EYES, ON SKIN OR ON CLOTHING. AVOID PROLONGED OR REPEATED BREATHING OF VAPOR OR SPRAY MIST. KEEP CONTAINER TIGHTLY CLOSED WHEN NOT IN USE. EMPTY CONTAINERS, ESPECIALLY DRUMS, SHOULD BE COMPLETELY DRAINED, PROPERLY BUNGED AND PROMPTLY RETURNED TO A DRUM CONDITIONER, OR PROPERLY DISPOSED OF. USE ONLY IN A WELL VENTILATED AREA. KEEP OUT OF THE REACH OF CHILDREN.

STORAGE: KEEP FROM FREEZING. KEEP CONTAINER COOL AND DRY. USE AND STORE THIS PRODUCT WITH ADEQUATE VENTILATION. KEEP PRODUCT CONTAINERS TIGHTLY CLOSED WHEN NOT IN USE. AVOID SUBJECTING THIS PRODUCT TO EXTREME TEMPERATURE VARIATIONS.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: IF CURRENT VENTILATION PRACTICES DURING MIXING AND APPLICATION OPERATIONS ARE NOT ADEQUATE TO MINIMIZE EXPOSURE, USE LOCAL EXHAUST VENTILATION CAPABLE OF MAINTAINING EMISSIONS AT THE POINT OF USE BELOW THE PEL OR TLV OR OTHER EXPOSURE GUIDELINES, AS APPROPRIATE. VENTILATION RATES SHOULD BE MATCHED TO CONDITIONS. MECHANICAL EXHAUST VENTILATION, WITH VOLUME AND PATTERN CAPABLE OF MAINTAINING A FRESH AIR SUPPLY, MAY BE NECESSARY IN CONFINED SPACES. REFER TO OSHA STANDARD 29 CFR 1910.94 AND/OR ACGIH INDUSTRIAL VENTILATION FOR GUIDANCE ABOUT ADEQUATE VENTILATION. TURN OFF HEATING AND/OR AIR CONDITIONING EQUIPMENT TO PREVENT CONTAMINATING BUILDING.

RESPIRATORY PROTECTION: WEAR A NIOSH APPROVED RESPIRATOR APPROPRIATE FOR THE VAPOR OR MIST CONCENTRATION AT THE POINT OF USE. APPROPRIATE RESPIRATORS MAY BE A FULL FACEPIECE OR A HALF MASK AIR-PURIFYING CARTRIDGE RESPIRATOR EQUIPPED FOR ORGANIC VAPORS/MISTS, A SELF-CONTAINED BREATHING APPARATUS IN THE PRESSURE DEMAND MODE, OR A SUPPLIED-AIR RESPIRATOR. REFER TO OSHA STANDARD 29 CFR 1910.134 FOR ADDITIONAL INFORMATION.

SKIN PROTECTION: THE USE OF GLOVES IMPERMEABLE TO THE SPECIFIC MATERIAL HANDLED IS ADVISED TO PREVENT SKIN CONTACT AND POSSIBLE IRRITATION. NOTE THAT PVA DEGRADES IN WATER.

EYE PROTECTION: CHEMICAL GOGGLES. IF SPLASHING MAY OCCUR OR DURING SPRAY OPERATIONS WEAR A FACE SHIELD, UNLESS A FULL FACE PIECE RESPIRATOR IS USED. DO NOT WEAR CONTACT LENSES AS THEY MAY CONTRIBUTE TO THE SEVERITY OF INJURY TO THE EYE FROM EXPOSURE TO LIQUID AND/OR VAPORS AND SPRAY MIST.

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9.1 PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT: 212F/100C COATING V.O.C.: 2.84 lb/gl
MELTING POINT: N/A MATERIAL V.O.C.: .79 lb/gl
VAPOR PRESSURE: 17mm Hg @ 20C/68F COATING V.O.C.: 340 g/l
VAPOR DENSITY: LIGHTER THAN AIR MATERIAL V.O.C. 95 g/l
SOLUBILITY IN WATER: SOLUBLE.
SPECIFIC GRAVITY: 1.02
PH: N/A
ODOR: FAINT AMMONIACAL ODOR.
APPEARANCE: PIGMENTED, VISCOUS.

10. STABILITY AND REACTIVITY

CHEMICAL STABILITY (CONDITIONS TO AVOID): STABLE

INCOMPATIBILITY: NO HAZARDOUS REACTIONS ARE EXPECTED TO OCCUR UNDER NORMAL INDUSTRIAL CONDITIONS.

HAZARDOUS DECOMPOSITION PRODUCTS: THERMAL DECOMPOSITION MAY YIELD ACRYLIC MONOMER, CARBON MONOXIDE AND CARBON DIOXIDE. UNIDENTIFIED ORGANIC COMPOUNDS IN FUMES AND SMOKE MAY BE FORMED DURING COMBUSTION.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR.

11. TOXICOLOGICAL INFORMATION

EYE: EYE IRRITATION-RABBIT: INCONSEQUENTIAL IRRITATION

SKIN: SKIN IRRITATION- RABBIT: PRACTICALLY NON-IRRITATING. DERMAL LD50-
RABBIT: >5000 mg/kg.

INGESTION: INFORMATION IS BASED ON THE TOXICITY PROFILES FOR A NUMBER OF ACRYLIC EMULSIONS THAT ARE COMPOSITIONALLY SIMILAR TO THIS PRODUCT
TYPICAL DATA ARE:
PRACTICALLY NON-IRRITATING

INHALATION: NO DATA.

SUBCHRONIC: HEADACHE, NAUSEA, ABDOMINAL PAIN AND IRRITATION OF THE NOSE, THROAT AND LUNGS. SKIN AND EYE IRRITATION.

CHRONIC/CARCINOGENICITY: NONE

TERATOLOGY: NO DATA.

REPRODUCTION: NO DATA.

MUTAGENICITY: NO DATA.

12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION: NO DATA.

ENVIRONMENTAL FATE INFORMATION: NO DATA.

13. DISPOSAL CONSIDERATIONS

COAGULATE THE EMULSION BY THE STEPWISE ADDITION OF FERRIC CHLORIDE AND LIME
REMOVE THE CLEAR SUPERNATANT AND FLUSH TO A CHEMICAL SEWER. INCINERATE
LIQUID AND CONTAMINATED SOLIDS IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL
REGULATIONS.

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14. TRANSPORT INFORMATION (NOT MEANT TO BE ALL INCLUSIVE)

DOT INFORMATION - 49 CFR 172.101
DOT DESCRIPTION: NOT REGULATED

15. REGULATORY INFORMATION (NOT MEANT TO BE ALL INCLUSIVE - SELECTED REGULATIONS)

U.S. FEDERAL REGULATIONS

STATUS OF SUBSTANCE LISTS: THE CONCENTRATIONS SHOWN IN SECTION II ARE MAXIMUM FOR CEILING LEVELS (WEIGHT %) TO BE USED FOR CALCULATIONS FOR REGULATIONS.

FEDERAL EPA: COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION AND LIABILITY ACT OF 1980 (CERCLA) REQUIRES NOTIFICATION OF THE NATIONAL RESPONSE CENTER OF RELEASE OF QUANTITIES OF HAZARDOUS SUBSTANCES EQUAL TO OR GREATER THAN THE REPORTABLE QUANTITIES (RQs) IN 40 CFR 302.4.

COMPONENTS PRESENT IN THIS PRODUCT AT A LEVEL THAT COULD REQUIRE REPORTING UNDER THE STATUTE ARE:
NONE KNOWN.

SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 (SARA) TITLE III.

REQUIRES EMERGENCY PLANNING BASED ON THRESHOLD PLANNING QUANTITIES (TPQs) AND RELEASE REPORTING BASED ON REPORTABLE QUANTITIES (RQs) IN 40 CFR 355 (USED FOR SARA 302, 304, 311 AND 312).

COMPONENTS PRESENT IN THIS PRODUCT AT A LEVEL THAT COULD REQUIRE REPORTING UNDER THE STATUTE ARE:
NONE KNOWN.

REQUIRES SUBMISSION OF ANNUAL REPORTS OF RELEASE OF TOXIC CHEMICALS THAT APPEAR IN 40 CFR 372 (FOR SARA 313). THIS INFORMATION MUST BE INCLUDED IN ALL MSDSs THAT ARE COPIED AND DISTRIBUTED FOR THIS MATERIAL.

COMPONENTS PRESENT IN THIS PRODUCT AT A LEVEL THAT COULD REQUIRE REPORTING UNDER THE STATUTE ARE:
NONE KNOWN.

TOXIC SUBSTANCES CONTROL ACT (TSCA) STATUS:

THE COMPONENTS OF THIS PRODUCT ARE LISTED OR ARE EXCLUDED FROM LISTING ON THE U.S. TOXIC SUBSTANCES CONTROL ACT (TSCA) CHEMICAL SUBSTANCE INVENTORY.

THE REMAINING PERCENTAGE OF UNSPECIFIED INGREDIENTS, IF ANY, ARE NOT CONTAINED IN ABOVE *de minimis* CONCENTRATIONS AND/OR ARE BELIEVED TO BE NON-HAZARDOUS UNDER THE OSHA HAZARD COMMUNICATION STANDARD (29 CFR 1910.1200), AND MAY CONSIST OF PIGMENTS, FILLERS, DEFOAMERS, WETTING AGENTS, ANTI-BACTERIAL AGENTS, RESINS, DRYERS, WATER AND/OR SOLVENTS IN VARYING CONCENTRATIONS.

INTERNATIONAL REGULATIONS:

CANADIAN WHMIS:

CANADIAN ENVIRONMENTAL PROTECTION ACT (CEPA):

EINECS:

STATE REGULATIONS:

16. OTHER INFORMATION

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200G

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